

Attorney Docket No. OKUDP0163US

AP20 Rec'd PCT/PTO 24 MAR 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
(DO/EO/US)

In re national phase of:

Applicant(s): Yasutoshi KAWAGUCHI et al.  
 International Application No.: PCT/JP2004/014461  
 International Filing Date: 24 September 2004  
 Priority Date Claimed: 25 September 2003  
 Title of Invention: NITRIDE SEMICONDUCTOR DEVICE AND PRODUCTION METHOD THEREOF

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, pending applications, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: \_\_\_\_\_  
 Filing Date: \_\_\_\_\_

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- (a) X Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- (b) \_\_\_\_\_ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a) X Within 3 months of the filing date, date of entry into the National Stage, or filing date of CPA.
- (b) \_\_\_\_\_ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988 for consideration of this Statement.
- (c) \_\_\_\_\_ Before the mailing date of a first Office Action on the merits after a first or second submission after final rejection under 37 C.F.R. 1.129(a).

(d) \_\_\_ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1) \_\_\_ The required certification is given below, or **1A20 REG. CTPTD 24 MAR 2006**

(2) \_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3) \_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988

(e) \_\_\_ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1) \_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p), or

(2) \_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988.

4. Certification (if applicable)

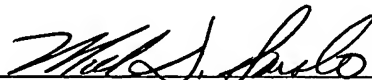
(a) \_\_\_ The undersigned hereby certifies that each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

(b) \_\_\_ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 18-0988.

Respectfully Submitted,

RENNER, OTTO, BOISSELLE & SKLAR, LLP

By   
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Form PTO-1449 (Modified)  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	Atty Docket No.	Express Mail No.
	OKUDP0163US	EV710256279US
	Applicant: Yasutoshi KAWAGUCHI et al.	
	Filing Date March 24, 2006	Group Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM/YYYY	Name	Class	Sub-class	Filing Date if Appropriate
	5,959,307 (corresponds to JP 10-126006)	09/1999	Nakamura et al.			
	6,586,774 (corresponds to JP 2002-198314)	07/2003	Ishibashi et al.			
	6,720,586 (corresponds to JP 2002-009004)	04/2004	Kidoguchi et al.			
	2002/0041613 A1	04/2002	Yoshida et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date MM/YYYY	Country	Class	Sub-class	Translation	
						Yes	No
	10-126006 (cited in line 10, page 2 of the description)	05/1998	JP			Abstract only	
	2002-198314 (cited in line 15, page 9 of the description)	07/2002	JP			Abstract only	
	2002-009004 (cited in line 20, page 10 of the description)	01/2002	JP			Abstract only	
	06-283825	10/1994	JP			Abstract	
	08-213692	08/1996	JP			Abstract	
	10-126010	05/1998	JP			Abstract	
	10-144962	05/1998	JP			Abstract	
	11-224972	08/1999	JP			Abstract	
	2000-143396 (cited in line 16, page 8 of the description)	05/2000	JP			Abstract	
	2000-349398	12/2000	JP			Abstract	
	2002-314204	10/2002	JP			Abstract	
	2002-324913	11/2002	JP			Abstract	

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## OTHER ART

Examiner Initial	Author, Title, Date, Pertinent Pages, etc. <b>APPROVED PTO 24 MAR 2005</b>
	International Search Report for corresponding Application No. PCT/JP2004/014461, mailed January 25, 2005.
	Nakamura, et al., "Violet InGaN/GaN/AlGaIn-Based Laser Diodes Operable at 50°C with a Fundamental Transverse Mode", Jpn. J. Appl. Phys. Vol 38 (1999), pp. L226-L229 (cited in line 11, page 2 of the description).
	Ikeda, et al., "Blue-Violet Laser Diodes Suitable for Blu-ray Disk", Phys. Stat. Sol. (a) 194, No. 2, 407-413 (2002) (cited in line 12 page 2 of the description).
	"IEEE Journal of Quantum Electronics", Vol. 39, No. 1, 135 (2003) (Copy to be provided).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement PTO-1449 (Modified)

The identification of any reference is not intended to be, and should not be understood as being, an admission that such publication, in fact, constitutes "prior art" within the meaning of applicable law since, for example, a given reference may have a later effective date than first seems apparent or the reference may have an effective date which can be antedated. The "prior art" status of any reference is a matter to be resolved during prosecution.